



IFWO

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/773,715

TIME: 09:35:23

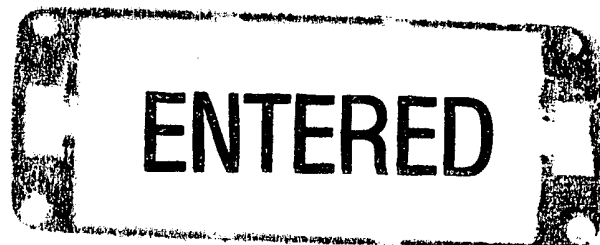
Input Set : A:\P5035R1-US Sequence listing.txt

Output Set: N:\CRF4\08272004\J773715.raw

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7 <110> APPLICANT: GRETCHEN FRANTZ
8     KENNETH HILLAN
9     PAUL POLAKIS
10    BENI WOLF
11    THOMAS WU
12    ZEMIN ZHANG
14 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
15    TREATMENT OF TUMOR
17 <130> FILE REFERENCE: P5035R1-US
19 <140> CURRENT APPLICATION NUMBER: US 10/773,715
20 <141> CURRENT FILING DATE: 2004-02-05
22 <150> PRIOR APPLICATION NUMBER: US 60/445,396
23 <151> PRIOR FILING DATE: 2003-02-05
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29 <212> TYPE: DNA
30 <213> ORGANISM: Homo sapien
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35   taccctgctg ctctgctgg ccaccctagc tgtggccctg gcctggagcc 100
37   ccaaggagga ggataggata atcccgggtg gcattataaa cgcagacctc 150
39   aatgatgagt gggtagacgc tgccttcac ttgccatca gcgagtataa 200
41   caaggccacc aaagatgact actacagacg tccgctgcgg gtactaagag 250
43   ccaggcaaca gaccgttggg ggggtgaatt acttcttcga cgtagaggtg 300
45   ggccgaacca tatgtaccaa gtcccagccc aacttggaac cctgtgcctt 350
47   ccatgaacag ccagaactgc agaagaaaca gttgtgctct ttcgagatct 400
49   acgaagtcc ctgggagaac agaaggtccc tgggaattc caggtgtcaa 450
51   gaagcctagg gaagggcga 469
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54 <211> LENGTH: 694
55 <212> TYPE: DNA
56 <213> ORGANISM: Homo sapien
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61   ggccaccag gctgtggccc tggcctggag ccccaggag gaggacagga 100
63   taatcgaggg tggcatctat gatgcagacc tcaatgatga gcgggtacag 150
65   cgtgcccttc actttgtcat cagcgagtat aacaaggcca ctgaagatga 200
67   gtactacaga cgctgctgc ggggtgctacg agccaggag cagatcgtgg 250
69   gcggggtgaa ttacttcttc gacatagagg tgggccgaac catatgtacc 300
71   aagtcaccag ccaacttggg cacctgtgcc ttccatgaac agccagaact 350
73   gcagaagaaa cagttgtgct ctttccagat ctacgaagtt ccctgggagg 400
75   acagaatgtc cctggtgaat tccaggtgtc aagaagccta gggatctgtg 450

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77 ccagggagtc acactgacca ctcctactc ccaccccttg tagtgctccc 500
79 acccctggac tgggtggccc caccctgtgg gaggtctccc catgcacctg 550
81 cagcaggaga agacagagaa ggctgcagga ggcctttgtt gctcagcagg 600
83 ggactctgcc ctccctcctt ccttttgctt ctcatagccc tggtagatgg 650
85 tacacacacc cccacctcct gcaattaaac agtagcatca cctc 694
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90 <213> ORGANISM: Homo sapien
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95 ttccccagcc atggcttccc tggggcagat cctcttcttg agcataatta 100
97 gcatcatcat tattctggct ggagcaattg cactcatcat tggctttggt 150
99 atttcaggga gacactccat cacagtcact actgtgcct cagctgggaa 200
101 cattggggag gatggaatcc tgagctgcac ttttgaacct gacatcaaac 250
103 tttctgatat cgtgatacaa tggtgaagg aaggtgtttt aggcttggtc 300
105 catgagttca aagaaggcaa agatgagctg tcggagcagg atgaaatgtt 350
107 cagaggccgg acagcagtggt ttgctgatca agtgatagtt ggcaatgcct 400
109 ctttgccggt gaaaaacgtg caactcacag atgctggcac ctacaaatgt 450
111 tataatcatca cttctaaagg caaggggaaat gctaaccctt agtataaaac 500
113 tggagccttc agcatgccgg aagtgaatgt ggactataat gccagctcag 550
115 agaccttgcg gtgtgaggct ccccgatggt tccccagcc cacagtggtc 600
117 tgggcatccc aagttgacca gggagccaac ttctcggaag tctccaatac 650
119 cagctttgag ctgaactctg agaatgtgac catgaagggt gtgtctgtgc 700
121 tctacaatgt tacgatcaac aacacatact cctgtatgat tgaaaatgac 750
123 attgccaaag caacagggga tatcaaagt acagaatcgg agatcaaaag 800
125 gcggagtcac ctacagctgc taaactcaa ggcttctctg tgtgtctctt 850
127 ctttctttgc catcagctgg gcacttctgc ctctcagccc ttacctgatg 900
129 ctaaaataat gtgccttggc cacaataaag catgcaaagt cattgttaca 950
131 acagggatct acagaactat ttcaccacca gatatgacct agttttatat 1000
133 ttctgggagg aaatgaattc atatctagaa gtctggagtg agcaaacaag 1050
135 agcaagaaac aaaaagaagc caaaagcaga aggtccaat atgaacaaga 1100
137 taaatctatc ttcaaagaca tattagaagt tgggaaaata attcatgtga 1150
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141 gcatccccag atctcagggg cctccccctg cctgtcacct ggggagttag 1250
143 aggacaggat agtgcattgt ctttgtctct gaatttttag ttatatgtgc 1300
145 tgtaatgttg ctctgaggaa gcccctggaa agtctatccc aacatatcca 1350
147 catcttatat tccacaaatt aagctgtagt atgtacccta agacgtgct 1400
149 aattgactgc cacttcgcaa ctcaggggcg gctgcatttt agtaatgggt 1450
151 caaatgattc actttttatg atgcttccaa aggtgccttg gcttctcttc 1500
153 ccaactgaca aatgccaag ttgagaaaaa tgatcataat tttagcataa 1550
155 acagagcagt cggggacacc gattttataa ataaactgag caccttcttt 1600
157 ttaaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1650
159 aaaaaaaaa 1658
161 <210> SEQ ID NO: 4
162 <211> LENGTH: 141
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapien
166 <400> SEQUENCE: 4

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167 Met Ala Gln Tyr Leu Ser Thr Leu Leu Leu Leu Leu Ala Thr Leu
168 1 5 10 15
170 Ala Val Ala Leu Ala Trp Ser Pro Lys Glu Glu Asp Arg Ile Ile
171 20 25 30
173 Pro Gly Gly Ile Tyr Asn Ala Asp Leu Asn Asp Glu Trp Val Gln
174 35 40 45
176 Arg Ala Leu His Phe Ala Ile Ser Glu Tyr Asn Lys Ala Thr Lys
177 50 55 60
179 Asp Asp Tyr Tyr Arg Arg Pro Leu Arg Val Leu Arg Ala Arg Gln
180 65 70 75
182 Gln Thr Val Gly Gly Val Asn Tyr Phe Phe Asp Val Glu Val Gly
183 80 85 90
185 Arg Thr Ile Cys Thr Lys Ser Gln Pro Asn Leu Asp Thr Cys Ala
186 95 100 105
188 Phe His Glu Gln Pro Glu Leu Gln Lys Lys Gln Leu Cys Ser Phe
189 110 115 120
191 Glu Ile Tyr Glu Val Pro Trp Glu Asn Arg Arg Ser Leu Val Asn
192 125 130 135
194 Ser Arg Cys Gln Glu Ala
195 140
197 <210> SEQ ID NO: 5
198 <211> LENGTH: 141
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapien
202 <400> SEQUENCE: 5
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204 1 5 10 15
206 Ala Val Ala Leu Ala Trp Ser Pro Gln Glu Glu Asp Arg Ile Ile
207 20 25 30
209 Glu Gly Gly Ile Tyr Asp Ala Asp Leu Asn Asp Glu Arg Val Gln
210 35 40 45
212 Arg Ala Leu His Phe Val Ile Ser Glu Tyr Asn Lys Ala Thr Glu
213 50 55 60
215 Asp Glu Tyr Tyr Arg Arg Leu Leu Arg Val Leu Arg Ala Arg Glu
216 65 70 75
218 Gln Ile Val Gly Gly Val Asn Tyr Phe Phe Asp Ile Glu Val Gly
219 80 85 90
221 Arg Thr Ile Cys Thr Lys Ser Gln Pro Asn Leu Asp Thr Cys Ala
222 95 100 105
224 Phe His Glu Gln Pro Glu Leu Gln Lys Lys Gln Leu Cys Ser Phe
225 110 115 120
227 Gln Ile Tyr Glu Val Pro Trp Glu Asp Arg Met Ser Leu Val Asn
228 125 130 135
230 Ser Arg Cys Gln Glu Ala
231 140
233 <210> SEQ ID NO: 6
234 <211> LENGTH: 282
235 <212> TYPE: PRT
236 <213> ORGANISM: Homo sapien

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238 <400> SEQUENCE: 6

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240      1          5          10          15
242 Ile Ile Ile Leu Ala Gly Ala Ile Ala Leu Ile Ile Gly Phe Gly
243      20          25          30
245 Ile Ser Gly Arg His Ser Ile Thr Val Thr Thr Val Ala Ser Ala
246      35          40          45
248 Gly Asn Ile Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro
249      50          55          60
251 Asp Ile Lys Leu Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly
252      65          70          75
254 Val Leu Gly Leu Val His Glu Phe Lys Glu Gly Lys Asp Glu Leu
255      80          85          90
257 Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr Ala Val Phe Ala
258      95          100         105
260 Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu Lys Asn Val
261      110         115         120
263 Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile Thr Ser
264      125         130         135
266 Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala Phe
267      140         145         150
269 Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr
270      155         160         165
272 Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val
273      170         175         180
275 Trp Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser
276      185         190         195
278 Asn Thr Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val
279      200         205         210
281 Val Ser Val Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser Cys
282      215         220         225
284 Met Ile Glu Asn Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val
285      230         235         240
287 Thr Glu Ser Glu Ile Lys Arg Arg Ser His Leu Gln Leu Leu Asn
288      245         250         255
290 Ser Lys Ala Ser Leu Cys Val Ser Ser Phe Phe Ala Ile Ser Trp
291      260         265         270
293 Ala Leu Leu Pro Leu Ser Pro Tyr Leu Met Leu Lys
294      275         280

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VERIFICATION SUMMARY

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Input Set : A:\P5035R1-US Sequence listing.txt

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